



SEQUENCE LISTING

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<120> Method for Modulating G-Protein Coupled Receptors

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<160> 1

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<210> 1

<211> 661

<212> PRT

<213> Drosophila melanogaster

<220>

<223> retinal degeneration C (RDGC) protein

<400> 1

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			20					25					30			
Ile	Phe	Gln	Asn	Leu	Glu	Tyr	Ala	Ser	Glu	Gln	Asp	Gln	Ala	Glu	Leu	
		35					40					45				
Tyr	Lys	Phe	Phe	Asn	Asp	Leu	Ile	Lys	His	Met	Pro	Gln	Ala	Ala	Gly	
	50					55				60						
Arg	Lys	Asn	Gln	Tyr	Gln	Gly	Ser	Ala	His	Val	Ser	Val	Leu	Asp	Asp	
	65				70					75				80		
Lys	Asp	Asp	Leu	Val	Glu	Glu	Phe	Gly	Asp	Ile	Val	Asn	Ala	Lys	Ile	
			85						90					95		
Glu	Leu	Pro	Ile	Arg	Lys	Asn	His	Ile	Asp	Leu	Leu	Ile	Asp	Val	Phe	
		100						105					110			
Arg	Lys	Lys	Arg	Gly	Asn	Arg	Leu	His	Pro	Lys	Tyr	Val	Ala	Leu	Ile	
		115					120					125				
Leu	Arg	Glu	Ala	Ala	Lys	Ser	Leu	Lys	Gln	Leu	Pro	Asn	Ile	Ser	Pro	
	130					135					140					

Val	Ser	Thr	Ala	Val	Ser	Gln	Gln	Val	Thr	Val	Cys	Gly	Asp	Leu	His
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Gly	Lys	Leu	Asp	Asp	Leu	Leu	Val	Val	Leu	His	Lys	Asn	Gly	Leu	Pro
				165					170					175	
Ser	Ser	Ser	Asn	Pro	Tyr	Val	Phe	Asn	Gly	Asp	Phe	Val	Asp	Arg	Gly
			180					185					190		
Lys	Arg	Gly	Leu	Glu	Val	Leu	Leu	Leu	Leu	Leu	Ser	Leu	Tyr	Leu	Ala
		195					200					205			
Phe	Pro	Asn	Ala	Val	Phe	Leu	Asn	Arg	Gly	Asn	His	Glu	Asp	Ser	Val
	210					215					220				
Met	Asn	Ala	Arg	Tyr	Gly	Phe	Ile	Arg	Glu	Val	Glu	Ser	Lys	Tyr	Pro
225					230					235					240
Arg	Asn	His	Lys	Arg	Ile	Leu	Ala	Phe	Ile	Asp	Glu	Val	Tyr	Arg	Trp
				245					250					255	
Leu	Pro	Leu	Gly	Ser	Val	Leu	Asn	Ser	Arg	Val	Leu	Ile	Val	His	Gly
			260					265					270		
Gly	Phe	Ser	Asp	Ser	Thr	Ser	Leu	Asp	Leu	Ile	Lys	Ser	Ile	Asp	Arg
		275					280					285			
Gly	Lys	Tyr	Val	Ser	Ile	Leu	Arg	Pro	Pro	Leu	Thr	Asp	Gly	Glu	Pro
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Leu	Asp	Lys	Thr	Glu	Trp	Gln	Gln	Ile	Phe	Asp	Ile	Met	Trp	Ser	Asp
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Pro	Gln	Ala	Thr	Met	Gly	Cys	Val	Pro	Asn	Thr	Leu	Arg	Gly	Ala	Gly
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Val	Trp	Phe	Gly	Pro	Asp	Val	Thr	Asp	Asn	Phe	Leu	Gln	Arg	His	Arg
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Leu	Ser	Tyr	Val	Ile	Arg	Ser	His	Glu	Cys	Lys	Pro	Asn	Gly	His	Glu
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Phe	Met	His	Asp	Asn	Lys	Ile	Ile	Thr	Ile	Phe	Ser	Ala	Ser	Asn	Tyr
	370					375					380				
Tyr	Ala	Ile	Gly	Ser	Asn	Lys	Gly	Ala	Tyr	Ile	Arg	Leu	Asn	Asn	Gln
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Leu	Met	Pro	His	Phe	Val	Gln	Tyr	Ile	Ser	Ala	Ala	Ser	Gln	Thr	Lys
				405					410					415	
Arg	Leu	Ser	Phe	Lys	Gln	Arg	Met	Gly	Ile	Val	Glu	Ser	Ser	Ala	Leu
			420					425					430		
Lys	Glu	Leu	Ala	Val	Arg	Met	Arg	Asp	His	Arg	Asp	Glu	Leu	Glu	Asp
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Glu	Phe	Arg	Lys	Tyr	Asp	Pro	Lys	Asp	Ser	Gly	Tyr	Ile	Ser	Ile	Ser
	450					455					460				

